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10/659,822	09/11/2003	Jason R. Delker	2306	5940
28005	7590	10/18/2006	EXAMINER	
SPRINT 6391 SPRINT PARKWAY KSOPHT0101-Z2100 OVERLAND PARK, KS 66251-2100			VU, MICHAEL T	
			ART UNIT	PAPER NUMBER
			2617	

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's Remarks/Arguments filed July 31, 2006 have been fully considered but they are not persuasive.

In response to applicant's Remarks/Arguments in claims 1, 9, and 14 that reference Sasano/Silverman fails to teach "method of managing a plurality of directory numbers for a mobile station" on page 2, line 15-16, page 3, line 11-12, and Sasano/Silverman fails to teach "associating said first directory number with an identifier code" on page 3, line 14-15.

Examiner respectfully disagrees. The examiner must give the broadest reasonable interpretation to all claims 1, 9, and 14 that Sasano teaches such circumstances method that managing a plurality of directory numbers for a communication terminal, in which equates to a mobile station (See Col. 3, line 15-39). Moreover, Sasano/Silverman teach the concept of the invention but do not disclose the use for a mobile station.

However, as examiner highly noted that on the Office Action filed on June 5, 2006 that Sasano does not disclose the use of mobile station. Furthermore, Sasano teaches the concept of transmitting a first message (i.g. incoming call that includes the sub-address) to the telephone system and/or terminal, the message including the ID code to indicate that the first directory number being called (displaying specified sub-address, called or caller's phone number), (See an Office Action filed on June 5, 2006).

Therefore, it would have been obvious to one of ordinary skill in the art to modify of Sasano concept by using different network environment, such as a wireless network.

In response to applicant's Remarks/Arguments, an applicant argued that Sasano/Silverman fails to teach the "transmitting a query to a call control system, said query identifying said first directory number" on page 4, line 9-10.

Examiner respectfully disagrees. The examiner must give the broadest reasonable interpretation that the combination of Sasano/Silverman, and in further view of Zimmerman teach the transmitting a query to a call control system, said query identifying said first directory number such as Mobile Switching Center (MSC), Service Control Point (SCP), and Home Location Register (HLR), See figures 1-6, paragraph [0023-0044], of Zimmerman, and (See Col. 1, line 16-25, and Col. 7, line 5-32) of Silverman.

In response to applicant's Remarks/Arguments, an applicant argued that Sasano/Silverman fails to teach the "transmitting over an air interface a first message to said mobile station, said first message including said identifier code" on page 5, line 5-7, and "an identifier code recognized by said mobile station" on page 5, line 13.

However, the examiner must give the broadest reasonable interpretation, and highly noted that on the Office Action filed on June 5, 2006 that Sasano does not disclose the use of mobile station. Furthermore, Sasano teaches the concept of transmitting a first message (i.g. incoming call that includes the sub-address) to the telephone system and/or terminal, the message including the ID code to indicate that

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the first directory number being called (displaying specified sub-address, called or caller's phone number), (See an Office Action filed on June 5, 2006).

Therefore, it would have been obvious to one of ordinary skill in the art to modify of Sasano concept by using different network environment, such as a wireless network.

### **DETAILED ACTION**

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 1, 9 and 14 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 1-4, 9, 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasano (US 5,220,599) in view of Silverman (5,875,240).

Regarding **claims 1, 9 and 14**, Sasano teaches a method of managing a plurality of directory numbers for the plurality of directory numbers including at least a first directory number and a second directory number (Fig. 9, C9, L42-67 to C10, L1-67), the method comprising: associating the first directory number with an identifier code recognized by the Private Branch Exchange PBX system (C13, L5-67), detecting a first incoming call request to connect a first incoming call to the first directory number in response to the first incoming call request (C3, L15-67 to C4, L1-61), transmitting a query to a call control system (C4, L1-61), the query identifying the first directory number (C4, L1-61),

As examiner noted that Sasano does not disclose the use of mobile station. However, Sasano teaches the concept of transmitting a first message (i.g. incoming call that includes the sub-address) to the telephone system and/or terminal, the message including the ID code to indicate that the first directory number being called (displaying specified sub-address, called or caller's phone number),

Therefore, it would have been obvious to one of ordinary skill in the art to modify of Sasano concept by using different environment, such as a wireless network.

Furthermore, Sasano **is silent on** receiving a response to the query, the response including the identifier code; and transmitting over an air interface a first message to the mobile station, the first message including the identifier code to indicate that the first directory number is being called.

However, Silverman teaches the storage device that has abbreviated codes or associate called identification information with each abbreviated code or related to the telephone number of subscribers to various special services offered by the telephone service provider (C6, L61-67 to C7, L1-32).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sasano, such that receiving a response to the query, the response including the identifier code; and transmitting over an air interface a first message to the mobile station, the first message including the identifier code to indicate that the first directory number is being called, for providing called party identification information, which identified or notified a telephone number associated with an end user, and allow user to manage the incoming call such as screening call.

Regarding **claim 2**, Sasano/Silverman teach the method of claim 1, wherein the response further includes an identification of the mobile station (Fig. 2-3, C5, L14-67) of Silverman.

Regarding **claim 3**, Sasano/Silverman teach the method of claim 2, comprising: the call control system determining the identifier code and the identification of the mobile station based on the first directory number (C6, L61-67 to C7, L1-32) of Silverman.

Regarding **claim 4**, Sasano/Silverman teach the method of claim 1, comprising: the mobile station providing a user-discernible indication based on the identifier code (Fig. 9, C9, L42-67 to C10, L1-46) of Sasano.

Regarding **claim 15**, Sasano/Silverman teach in claim 14, comprising: a user selecting the first directory number to use for the call to the called party (C1, L55-67 to C2, L1-67) of Silverman.

Regarding **claim 16**, Sasano/Silverman teach in claim 15, wherein a user selecting the first directory number comprises: the user dialing a digit string associated with the first directory number (Fig. 19, C13, L5-64) of Sasano.

5. Claims 5-8, 10-13, 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasano/Silverman in further view of Zimmerman (2002/0198007).

Regarding **claims 5 and 17**, Sasano/Silverman teach the method of claim 1, wherein the call control system **but is silent on** includes a service control point (SCP).

However, Zimmerman teaches the method and the wireless telecommunication system that has a service control point (SCP), (Fig. 1, [0023-0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sasano/Silverman, such that a service control point (SCP), to support for providing message processing in a communication unit over a wireless network.

Regarding **claims 6 and 18**, Sasano/Silverman/Zimmerman teach the method of claim 1, wherein the call control system includes a home location register (Fig. 1, [0023-0024]) of Zimmerman.



Regarding **claim 7**, Sasano/Silverman/Zimmerman teach the method of claim 1, wherein the first message is an alert message (Fig. 9, C9, L42-67 to C10, L1-46) of Sasano.

Regarding **claim 8**, Sasano/Silverman/Zimmerman teach the method of claim 1, comprising: detecting a second incoming call request to connect a second incoming call to the second directory number, and in response to the second incoming call request transmitting a second message to the mobile station without including the identifier code (Fig. 1-6, [0023-0044]) of Zimmerman.

Regarding **claim 10**, Sasano/Silverman teach in claim 9, wherein the call connection system **but is silent on** includes a mobile switching center (MSC).

However, Zimmerman teaches the method and the wireless telecommunication system that has a mobile switching center (MSC), (Fig. 1, [0023-0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Sasano/Silverman, such that a mobile switching center (MSC), to support for providing message processing in a communication unit over a wireless network.

Regarding **claim 11**, Sasano/Silverman/Zimmerman teach in claim 10, wherein the MSC is provisioned with at least one trigger to query the call control system in response to a request to connect an incoming call to the first directory number (Fig. 1-6, [0023-0044], of Zimmerman.

Regarding **claim 12**, Sasano/Silverman/Zimmerman teach in claim 9, wherein the call control system includes a service control point (SCP) (Fig. 1, [0023-0024]) of Zimmerman.

Regarding **claim 13**, Sasano/Silverman/Zimmerman teach in claim 9, wherein the call control system includes a home location register (HLR) (Fig. 1, [0023-0024]) of Zimmerman.

### ***Conclusion***

2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Vu whose telephone number is (571) 272-8131.

The examiner can normally be reached on 8:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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